

Amendments to the Claims

This listing of claims will replace all prior versions,  
and listings of claims in the application:

Listing of Claims:

1 (Currently amended). A monoclonal IgG antibody (Mab) capable of binding Placental Protein 13 (PP-13) ~~with high affinity and of detecting PP-13 at a concentration of 10 pg/ml in a sandwich ELISA assay.~~

2 (Currently amended). [[A]] ~~The Mab according to Claim 1 produced by a hybridoma cell selected from the group consisting of clones #26-2, 27-2-3, 215-28-3, 534-16 and 606-8-11-67 deposited under accession nos. I-2134, I-2135, I-2136, I-2137, and I-2138.~~

3 (Currently amended). A hybridoma ~~clone~~ selected from the group consisting of clones ~~#26-2, 27-2-3, 215-28-3, 534-16 and 606-8-11-67~~ deposited under accession nos. I-2134, I-2135, I-2136, I-2137 and I-2138.

4 (Currently amended). An immunoassay for measuring the level of PP-13 in a biological fluid, comprising the steps of:

(One) (a) bringing said fluid into contact with a Mab according to any of Claims 1, 2, or [[16]] 18, thereby forming Mab-PP-13 complexes;

(Two) (b) exposing said complexes to a second Mab according to any of claims 1, 2, or [[16]] 18 linked to a signal-generating molecule, said second Mab being capable of binding said complexes; and

(Three) (c) providing conditions conducive to the production of a signal generated by said signal-generating molecule, the level of said signal indicating the level of PP-13 in the biological fluid,

wherein said immunoassay is capable of measuring PP-13 over at a concentration ~~range~~ of 10-500 pg/ml.

5 (Currently amended). [[An]] The immunoassay according to Claim 4, wherein said Mab in step (a) is bound to a solid phase.

Claim 6 (Cancelled).

7 (Currently amended). [[An]] The immunoassay according to either of ~~Claims 4 or 5~~ Claim 4, wherein said signal generating molecule is an enzyme.

8 (Currently amended). [[An]] The immunoassay according to either of Claims 4 or 5 Claim 4, wherein said signal generating molecule is a ligand, and step (c) of Claim 4 comprises incubating the product of step (b) with a ligand binding molecule linked to an enzyme.

9 (Currently amended). A kit for measuring the level of PP-13 in a biological fluid, comprising:

- (a) a Mab according to Claim 1;
- (b) a second antibody linked to a signal-generating molecule, wherein said second antibody is also a Mab according to Claim 1; and
- (c) PP-13 standard solutions.

10 (Currently amended). A kit for measuring the level of PP-13 in a biological fluid, comprising:

- ~~(One)~~ (a) a Mab according to any of Claims 1, 2, or [[16]] 18;
- ~~(Two)~~ (b) a second Mab according to any of Claims 1, 2, or [[16]] 18 linked to a signal-generating molecule; and
- ~~(Three)~~ (c) PP-13 standard solutions.

11 (Currently amended). [[A]] The kit according to Claim 9, wherein said signal generating molecule is an enzyme.

Claim 12 (Cancelled)

13 (Currently amended). [[A]] The kit according to  
Claim [[12]] 9, wherein said signal-generating molecule ligand is  
biotin and ~~said ligand binding molecule is the~~ kit further  
comprises extravidin linked to an enzyme.

14 (Previously presented). A Mab according to Claim 1,  
capable of detecting PP-13 at a concentration of 0.05 ng/ml in a  
sandwich ELISA assay.

15 (Currently amended). [[A]] The kit according to  
Claim 11, wherein said signal generating molecule is an enzyme.

16 (Currently amended). [[A]] The kit according to  
Claim 11, wherein said signal generating molecule is a ligand,  
and said kit further comprises a ligand binding molecule linked  
to an enzyme.

17 (Currently amended). [[A]] The kit according to  
Claim 16, wherein said ligand is biotin and said ligand-binding  
molecule is extravidin.

18 (New). The Mab according to Claim 2 produced by the  
hybridoma clone deposited under accession no. I-2135 or I-2136.

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19 (New). The immunoassay according to Claim 5, wherein  
said signal generating molecule is an enzyme.